2021-22

# QUALITY CONTROL TEST REPORT

**Name of the Client: Assistant Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

**Agency: M/s Nagasandra Shamanna RamaRoa(Rajalakshmi Rock Drillers),** Contractor, Bangalore.

**Name of the Work:** Drilling of Borewell and Installation of Pump and Motors and Other Accessories, PVC Pipe Line in Ward no 14, Bagalagunte, T Dasarahalli Sub Division, BBMP, Bangalore

Quality


## M/s. CIVIL QUALITY CONSULTANTS & ENGINEERS

**(Buildings Geo-Tech & Road Materials Testing Laboratory)**
**An ISO 9001: 2015 Certified Company**
**NABL Accredited as per ISO-17025: 2005 Laboratory**

#133, Bhuvaneshwarinagar, DoddaBasti Main Road, Bangalore-560056
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# QC-ABSTRACT

Name of Work:- : Drilling of Borewell and Installation of Pump and Motors and Other Accessories, PVC Pipe Line in Ward no 14, Bagalagunte, T Dasarahalli Sub Division, BBMP, Bangalore

| Sl No. | Item | Quantity As Per BOQ | Required No's of tests | Actual No's of tests | Tests |
|---|---|---|---|---|---|
| 1 | PCC 1:4:8 | 7.88 Cum | 1 | 1 | Cement |
| | | | | | Sand, Aggregates |

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NSR//2021-2022 Date:12.08.2021

# TEST REPORT ON CEMENT

**Client** : **Assistant Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

**Agency** : **M/s Nagasandra Shamanna RamaRoa(Rajalakshmi Rock Drillers),** Contractor, Bangalore.

**Name of Work** : Drilling of Borewell and Installation of Pump and Motors and Other Accessories, PVC Pipe Line in Ward no 14, Bagalagunte, T Dasarahalli Sub Division, BBMP, Bangalore

**Sample :** : Cement (Dalmia 53 grade OPC)

**Sample Supplied by:** : AGENCY

**Date of Manufacture:** :July-2021

**Date of Testing** 10.08.2021 to 12.08.2021

| Sl.No | Descriptions | Test Method as per IS | Test Result | Requirements as per IS: 269:2015 |
|---|---|---|---|---|
| 1 | a) Initial Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 115 Minutes | Not Less than 30 Minutes |
| | b) Final Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 355 Minutes | Not More than 600 Minutes |
| 2 | Soundness | IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method | 1 mm | Not more than 10 mm |
| 3 | Standard Consistency | IS-4031 (Part -4) | 30.50% | - |

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ಬಾಗಲಗುಂಟೆ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
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**Note:**

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Job No.: CQCE/BBMP/NSR//2021-2022 Date 12.08.2021

## TEST REPORT ON FINE AGGREGATES (SAND)

**Client** : **Assistant Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

**Agency** : **M/s Nagasandra Shamanna RamaRoa(Rajalakshmi Rock Drillers),** Contractor, Bangalore.

**Name of Work** : Drilling of Borewell and Installation of Pump and Motors and Other Accessories, PVC Pipe Line in Ward no 14, Bagalagunte, T Dasarahalli Sub Division, BBMP, Bangalore

**Date of Testing** 12.08.2021

**IS Code** :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)

**Material** : Sand

Total Wt. of Aggregates in gms 1000

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 Spec.Limits For Zone-II |
|---|---|---|---|---|---|
| 10 | 0 | 0 | 0 | 100 | 100 |
| 4.75 | 83 | 8.30 | 8.30 | 91.7 | 90-100 |
| 2.36 | 135 | 13.50 | 21.80 | 78.2 | 75-100 |
| 1.18 | 171 | 17.10 | 38.90 | 61.1 | 55-90 |
| 600 Micron | 250 | 25.00 | 63.90 | 36.1 | 35-59 |
| 300 Micron | 162 | 16.20 | 80.10 | 19.9 | 8-30 |
| 150 Micron | 147 | 14.70 | 94.80 | 5.2 | 0-10 |

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Job No.: CQCE/BBMP/NSR//2021-2022 Date 12.08.2021

## TEST REPORT ON COARSE AGGREGATES

**Client** : **Assistant Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

**Agency** : **M/s Nagasandra Shamanna RamaRoa(Rajalakshmi Rock Drillers),** Contractor, Bangalore.

**Name of Work** : Drilling of Borewell and Installation of Pump and Motors and Other Accessories, PVC Pipe Line in Ward no 14, Bagalagunte, T Dasarahalli Sub Division, BBMP, Bangalore

Date of Testing 12.08.2021

**IS Code** :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 80 | 0 | 0 | 0 | 100 | 100 |
| 40 | 201 | 1.34 | 1.34 | 98.66 | 95-100 |
| 20 | 8632 | 57.55 | 58.89 | 41.11 | 30-70 |
| 10 | 3321 | 22.14 | 81.03 | 18.97 | 10-35 |
| 4.75 | 2458 | 16.39 | 97.41 | 2.59 | 0-5 |

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**Agency** : **M/s Nagasandra Shamanna RamaRoa(Rajalakshmi Rock Drillers),** Contractor, Bangalore.

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Date of Testing 12.08.2021

**IS Code** :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 40 | 0 | 0 | 0 | 100 | 100 |
| 20 | 190 | 3.8 | 3.8 | 96.2 | 95-100 |
| 10 | 2536 | 50.7 | 54.5 | 45.5 | 25-55 |
| 4.75 | 2147 | 42.9 | 97.5 | 2.5 | 0-10 |

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